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FROM THE DIRECTOR'S OFFICE

GEORGE MILLER

Commitment to the collective success of the Laboratory

Director's note: Senior management recently unveiled a set of values for the Laboratory. Each value is being discussed in a Director's Office column. Today, George Miller, AD for National Ignition Facility Programs, looks at our 10th and final value in this series — commitment to the collective success of the Laboratory.

Commitment to the collective success of the Laboratory really means a commitment to the security and well-being of our great country — because that is the goal and mission of the Laboratory.

Commitment to the security and well-being of the country is why Congress added “national” to the Laboratory’s name nearly 20 years ago. Commitment to the security and well-being of the country is why most of us came to work at Livermore — because we wanted to do something that was important, something that was in the national interest, something that made a difference.

It may sound syrupy or old fashioned, but I believe this commitment to a set of lofty goals is at the core of what motivates us. When we as individuals and teams, and the Lab as a whole, are challenged by these lofty goals and committed to them, that’s when we’re all at our best.

Commitment to the Lab’s collective success is built into the fabric of our organization — the matrix concept. All of the programs in the Lab are important, and the matrix organization allows the Laboratory to focus its resources when challenged by the needs of the country. People can move with relative ease, particularly in engineering, chemistry and materials science, and computations, to the projects and programs that the country

See **VALUES**, page 6

Genome map project celebrated

Two of the most important landmarks in the history of biological research are being celebrated this month: the completion this year of the human genome sequence, and James Watson’s and Francis Crick’s Nobel Prize-winning description of the DNA double helix 50 years ago.

On Monday, DOE and the National Institutes of Health will hold a news conference to announce the completion of the Human Genome Project — an international, \$3-billion effort begun in 1990 to determine the complete sequence of the three billion DNA base pairs in the human genome. The news conference, which also will describe the federal government’s vision for the future of genomics



research, and will highlight DOE’s “Genomes to Life” program, will be broadcast on Lab TV Channel 4 from 8:30-9:30 a.m. .

The DOE Joint Genome Institute in Walnut Creek, a consortium formed by Lawrence Livermore, Lawrence Berkeley and Los Alamos national laboratories, played a key role in the Human Genome Project by sequencing chromosomes 5, 16 and 19. JGI Director Eddy Rubin will participate in a scientific symposium, “From Double Helix to Human Sequence — and Beyond,” to be held April 14 and 15 at NIH headquarters in Bethesda, Md.

To watch a webcast of the symposium and other

See **JGI**, page 6

Earth Expo returns with new features

By Anne M. Stark

NEWSLINE STAFF WRITER

After a one-year hiatus, the Laboratory’s Earth Expo is back in time to coincide with International Earth Day on April 23.

But this year’s event will be a little different. This year’s organizer, Bruce Campbell, a pollution prevention engineer in the Lab’s Environmental Protection Department, said employees will see more variety at the event, including two guest speakers talking on different days about the environment.

“We wanted to add a little extra depth to include venues where people can learn a little more about the



environment,” he said. “Everyone shares the same environment, and the more everyone knows about what they can do to reduce their impact on it, the better off we will all be.”

This year’s event runs from 11 a.m. to 2 p.m. on April 23 in the employee area near the Lab pool. Open to all Lab employees, the event will include live music, food sales by the employee networking groups, and displays on energy efficiency, solar power, pollution prevention, environmental organizations, water conservation and more.

But this year’s event actually kicks off before the

See **EXPO**, page 5

Ergonomic effort aims to prevent work injuries

By Dale Sprouse

TID

A new ergonomics pilot program, administered through the Safety, Security and Environmental Protection Directorate, now is available to all LLNL employees.

The program, which is drawing high marks from across the Laboratory, improves the ergonomics support services, creates a convenient 2-ERGO call-in number, and provides high-level professional ergonomics evaluations to symptomatic employees,

as well as work group-prevention services.

“We are getting good feedback,” says Melanie Alexandre, the Lab’s ergonomics subject matter expert in Hazards Control. “People are seeing this as a very proactive way to help combat ergonomic-related injuries in our workforce.”

Ergonomics is a significant health and safety issue for Laboratory workers, with about half of the Lab’s lost workday cases attributable to ergonomic-related injuries, says Alexandre and Dr. Rick Watts of Health

See **ERGONOMICS**, page 6



Programming
performance—
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Award winning
fare
— Page 5



Getting ahead of the
curve
— Insert



LAB COMMUNITY NEWS

Weekly Calendar

Monday 14
The Lab’s quarterly **blood drive** will be held today through Thursday in Bldg. 415. The Red Cross encourages you to schedule an appointment in advance at <http://www.beadonor.com> (company code: LLNL) or by calling the LLESA Office at 2-9402. If you do not have an appointment, the staff will work you into the schedule, as time permits, after the first hour of each drive day. Donor eligibility questions should be directed to the American Red Cross at 1-800-448-3543.

Wednesday 16
In honor of Earth Expo, Ben Santer, a scientist in the Lab’s Program for Climate Model diagnostics and Intercomparison, will discuss “**Recent Developments in Climate-change Detection and Attribution Research**,” at noon in the Bldg. 543 auditorium.

Friday 18
Lab employees and contractors are invited to a **Good Friday gathering** from 12:05-12:45 p.m. in the Bldg. 543 auditorium. Contact: Harry Briley, briley1@llnl.gov or 2-9238.

Up & Coming
The **LLNL Retirees Slide Group** will meet at 2 p.m. on Tuesday, April 22, at the Livermore Library. Arlene and Stephen chin will present, “Antarctica: Penguins, Icebergs and What Else?”

...
The Amigos Unidos Hispanic Networking Group is sponsoring a **Cinco de Mayo** celebration from 11:30 a.m. to 1 p.m. on Thursday, May 1, in the pool picnic area. The celebration will include a presentation of high school scholarships and entertainment by Baile Folklorico Los Olmecas. To pre-order tamales or a lunch plate, contact: Yahel De La Cruz, 4-3507; Jessica Barraza, 2-6750; Xavier Cabrales, 2-7448; or Michael T. Martin, 3-6580.

...
LLESA has a limited number of tickets to the **AMA Supercuts Superbike Challenge**, May 3 and 4, at the Infineon Raceway (formerly Sears Point). LLESA’s discounted price for general admission is \$27 (\$40 at the gate); children 12 years or younger are free. You can reserve your tickets now by calling the LLESA Office, 2-9402. The LLESA office is located in Bldg. 415, room 142 and is open 10 a.m.-4:30 p.m.

...
The **LLESA summer pool program** will run June 16-Aug. 22. Swim registration forms will be available in the LLESA office (Bldg. 415, room 142) starting Monday, April 28. Swim lesson sign-ups will begin Monday, May 19. Lab employees and LLESA members can still sponsor family and friends to participate in the summer pool program. Contact: LLESA Office, 2-9402.

I.V. league



JACQUELINE MCBRIDE/NEWSLINE

These employees were part of a select group who donated blood in at least four of the five blood drives LLESA sponsored in 2002. As a thank you, LLESA hosted a breakfast recently for the 75 employees who were the Lab’s largest contributors. Overall, the Lab’s five blood drives collected more than 1,100 pints of blood in 2002, making the Laboratory the largest corporate donor for the Red Cross in Northern California. Each pint of blood can be used to help three people, according to the Red Cross.

BRIEFLY

Time to complete HIPAA training

Employees who handle the protected health information (PHI) of others, and who have not taken required basic training, have until Monday to do so and bring the Laboratory into compliance, according to Jennifer Szutu, Staff Relations Office.

Federal law, under the Privacy Rule of the Health Insurance Portability and Accountability Act (HIPAA), requires the training. As of April 2, 293 of the required 413 employees had completed Basic HIPAA training (PS7016W). Those who have not completed the training, and their supervisors, have been alerted via the LTRAIN e-mail notification.

HIPAA training is Web-based and takes about an hour. Szutu urges those people who receive the LTRAIN notice saying they require the basic training, to take it as soon as possible but no later than the April 14 compliance date. Training can be found at http://edd-server.llnl.gov/ HIPAA/PS7016W/index.html.

Under the new HIPAA regulations, if the Laboratory is audited and all HIPAA training requirements are not met, the Lab could be fined \$100 per day, up to \$25,000, per year for its non-compliance.

Basic HIPAA training is for Lab employees who use, access, share or handle PHI. Some people must complete added HIPAA training modules specific to their jobs. All 99 employees designated to complete the first module, Health Provider HIPAA Training (PS7017W), have done so. “Many thanks go out to all of

these employees,” said Szutu.
Plans call for two additional modules to be available. These include PHI Management Training, for data stewards of PHI, and Researcher Training, for people who work with human subjects. Employees required to take these modules will be notified along with the dates by which training must be completed.
HIPAA was established in 1996 to fortify the existing Federal Privacy Act. Compliance with the implementation of the law is mandatory by Monday. The act not only strengthens protections of personal and health information of Laboratory employees, it also limits the use and release of such information, and establishes sanctions for improper use or disclosure.
Questions regarding HIPAA coverage and implementation should be directed to Szutu at the Staff Relations Office at 2-9501.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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CORRECTION

In the front page photo in last week’s Newsline, the senior sweepstakes winner for the Tri Valley Science & Engineering Fair was misidentified. He is Vincent Howard, a senior at California High School. Newsline regrets the error.

AROUND THE LAB



New performance program progresses to new phase

The new performance appraisal forms developed as part of the new Integrated Performance and Pay Program are now available on the Web. The forms have been slightly revised, a result due in part to comments and suggestions by employees during the comment period held in March.

The new forms will be used during this year's performance appraisal



process. Mandatory performance management training is currently under way for supervisors and managers; training is being scheduled on a directorate by directorate basis.

Ombuds will be briefed next week on IPPP. A course offering additional performance management skills training for supervisors, titled

"IPPP — Supervisor Skills Development," will be made available in late April. To enroll, see the LTRAIN Webpage or call Donna Edwards at 4-5478.

To access the performance appraisal forms, see the Web at <http://www-r.llnl.gov/IPPP/forms.html>

For complete information on IPPP or to submit comments regarding the process, see <http://www-r.llnl.gov/IPPP/>

Massive galaxies, black holes illuminated in Saturday talk

Laboratory research astronomer Wil van Breugel, along with Athenian School science teacher Lawrence Dean, will discuss "BRIGHT Lights, BIG City: How the Most Massive Galaxies and Black Holes Live Together," on Saturday at 9:30 a.m. at the Amador Theater in Pleasanton.

In this talk, van Breugel will explain how massive galaxies and black holes form and evolve together in the early universe as well as how active black holes can affect the growth of their parent galaxies.

Students also will learn about some of the evidence that astronomers use to better understand the universe.

This talk is the final lecture in this year's LLNL Science on Saturday program, which is a series of free talks geared toward middle and senior high school students.

This year's speakers represent a wide range of disciplines, including astrophysics, biotechnology, chemistry and planetary physics.

The talk is free and open to students, their

parents or guardians, and teachers.

Science on Saturday is co-sponsored by the Laboratory, the Livermore chapter of Sigma Xi, the Scientific Research Society, and the Edward Teller Education Center.

For more information on Science on Saturday and directions, check the Website at <http://education.llnl.gov/sos> or contact Richard Farnsworth, manager for the Lab's Education Outreach, at rfarnsworth@llnl.gov or 2-5059.

Technical Meeting Calendar

Friday
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DNT COLLOQUIUM

"Overview and Recent Progress on NIF," by Gina Bonanno, 10:30 a.m., Bldg. 123 auditorium (uncleared area). Contacts:

Linda Stuart, 3-7001, or Frankie Springer, 3-6192.

ANALYTICAL & NUCLEAR CHEMISTRY

"The Resolution Response of X-Ray Microtomography Systems," by H. Allen Seifert, Henry Ford Health Systems, 10 a.m., Bldg. 151, room 1209 (uncleared area). Contacts: Howard Hall, 2-7446, or Brynn Bollinger, 2-6637.

PHYSICS & ADVANCED TECHNOLOGIES

"Young Brown Dwarfs and Exoplanets," by Michael C. Liu, University of Hawaii. Noon, Bldg. 319, room 205 (uncleared area). Contacts: Michael Gregg, 3-8946, or Sandra Maldonado, 3-0621.

Monday
14

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"What We Have Here is a Failure to Communicate: Application Integration in Emergency Services," by Bruce Rankin, Canadian Information Processing Society. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Terence Critchlow (CASC), 3-5682, or Leslie Bills, 3-8927.

ASCI INSTITUTE FOR TERASCALE SIMULATION

"A New Kind of Science," by Stephen Wolfram, Wolfram Research, Inc. 10:30 a.m., Bldg. 123 auditorium (uncleared area). Contacts: Jim McGraw, 2-0541, or Linda Bodtker, 3-0421.

LASER SCIENCE & TECHNOLOGY PROGRAM

"Short Pulse, Hard X-Ray Production Through Thomson Scattering at B-194," by Aaron Tremaine. 11 a.m., Bldg. 481, room 1000 (auditorium). Contact: Leticia Molina, 2-7715.

Tuesday
15

ENGINEERING CENTER FOR NONDESTRUCTIVE CHARACTERIZATION

"Application of Hilbert Space Decomposition to Wave Based Inverse Problems," by Sean K. Lehman. 1:30 p.m., Bldg. 235, Gold Room. Contact Ann Tyler, tyler8@llnl.gov.

PHYSICS & ADVANCED TECHNOLOGIES

"Molecular Dynamics Study of Void Growth in Dynamic Fracture of Metals," by Eira T. Seppala. 1:30 p.m., Trailer 2128, room 1000 (uncleared area). Contact: Ron Soltz, 3-2647.

PHYSICS & ADVANCED TECHNOLOGIES

"Metallization of Fluid Nitrogen and the Nonmetal-Metal Transition in Highly Compressed Low-Z Fluids," by Ricky Chau. 2 p.m., Bldg. 2128, room 1000 (uncleared area). Contact: Alan J. Wootton, 2-6533.

Wednesday
16

MATERIALS RESEARCH INSTITUTE

"Integrated Nanomechanical and Nanoelectronic Structures," by Andrew Cleland, UC Santa Barbara. 3:30 p.m., Bldg. 219, room 163 (uncleared area). Contact: Mike McElfresh, 2-8686, or Jody Reyes-Quick, 2-1499.

INTEGRATED COMPUTING AND COMMUNICATIONS

"The X Windows System, Don't Call It 'X Windows.'" 10:30 a.m., Bldg. 543 auditorium (uncleared area). Contact: Duane Straub, 2-9774.

Thursday
17

PHYSICS & ADVANCED TECHNOLOGIES

"Coulomb Excitation with Fast Exotic Beams: The Neutron-rich Nucleus ³⁴Mg," by Jennifer

Church, Michigan State University. 1:30 p.m., Bldg. 211, room 227 (badge required). Contacts: Lee Bernstein, 2-0377, or Pat Smith, 2-0920.

ELECTRONICS ENGINEERING TECHNOLOGIES

"Confidence Procedures for Bounded Parameters via the Least Favorable Alternative," by Chad Schafer, UC Berkeley. 10 a.m., Trailer 1677, room (uncleared area). Contact: Bill Hanley, 4-4706.

CHEMISTRY & MATERIALS SCIENCE

"On the Character of Self-Interstitial Dislocation Loops in Vanadium Alloys," by Luis Zepeda-Ruiz, postdoc fellow. "Materials Synthesis For Non-Proliferation Applications," by Brad Hart, postdoc fellow. Noon, Bldg. 151, room 1209 (uncleared area). Contacts: Andrea Hodge, 4-3715, or Linda Jones, 3-8839.

Friday
18

PHYSICS & ADVANCED TECHNOLOGIES

"How the Earth Became Organic: Clues From Micrometeorites," by Monika E. Kress, University of

Washington. Noon, Bldg. 319, room 205 (uncleared area). Contacts: Michael Gregg, 3-8946, or Sandra Maldonado, 3-0621.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.







AUTOMOBILES

1987 - Mercedes 560SL Roadster. Charcoal black, CD, both tops, winch for hard top, runs great. Ready for summer. Beautiful. \$12,500. 925-625-0520

1990 - Acura Legend LS Coupe. Loaded w/all options. New battery/hood struts/front brake pads. Very clean & well maintained. 187k miles. \$3500 925-455-0577

1990 - S-10 Blazer 4 X 4, 140k miles, 3.7L V-6, 2 door, good running condition. \$1800 209-835-0443

1998 - Ford Mustang, silver, spoiler, auto-trans, tinted power windows, new brakes, kyless alarm entry, CD stereo, very clean, runs great, \$6,100 obo. 925-964-0534

1996 - Dodge Intrepid ES. 3.5 V6, AC, PW, PB. 98K. Nice Car. \$5500 OBO. 209-892-7832 or 209-892-8120

1993 - Toyota Corolla. 136k miles. Just put in two new CV axels. Needs new radiator. \$1500 o.b.o. 925-895-1403

1985 - Blue Volvo DL. Excellent condition. 175,000 miles. \$1,400. Please call after 6:00 pm. 925-449-4093

1939 - Ford deluxe coupe. Street rod. SBC/turbo 400, Halibrand rear, 4 link F&R, FDB, NHRA approved rollbar. \$26,500 925-606-8763

1999 - Explorer-Tan 4dr4x4 XLT leather, tow, running boards, roof rack, key-less entry&alarm, power seat, windows, locks. 95K miles, \$10K obo. 925-938-8720

1995 - Ford Windstar LX, 3.8L V6, AT, AC, CC, All power, Premium sound, 105K miles, engine rebuilt at 67K, \$5300 OBO 925-513-1839

1990 - Cadillac Coupe de Ville, white w/gold packg., navy leather int., AM/FM cassette, A/C, clean body, 170K miles. \$1700/OBO. 209-833-8306

1999 - Chrysler Sebring Convertible, 60K,red/blacktop, V-6, fully-loaded,excellent cond.,\$13K OBO. 925-455-1700

1998 - Hyundai Accent 5 speed,CD, excellent condition; navy, tan interior,68,000 miles \$3,500 OBO 925-634-9399

AUTOMOBILE ACCESSORIES

15 inch Five Bolt Pickup TRUCK WHEELS, steel, Ford or old Jeep pattern, 4 for \$50 or 2 for \$30 925-447-7070

BICYCLES

Cannondale F700SX LEFTY mtn bk 2001 Magura/Clara Disk only 30hrs!NEVER OFF ROAD! Red frame/blk extras. No scratch or chip. email Pics,\$1200 BO 209-518-4141

Tandem bicycle, good shape, low miles. Fell once, wife refuses to get back on. Asking \$600. 925-373-1512

BOATS

Box of boating books. About 45 various books. \$45 for the lot... 925-447-5194

1982 Wellcraft Bowrider, 18 ft. Very good cond. 115hp Evinrude. Depth finder, CB, full cockpit snap cover. Trailer w/new tires. 925-449-7570

1986 Invader, 16 FT Runabout, 3.0 Liter, 4 Cyl., I/O, Open Bow, New Totally Rebuilt Lower Unit. Runs Great! Great on Gas! \$4995 or BO. 209-836-3062 209-836-3062

97 Polaris 750 Waverunner with a Shoreliner trailer. Waverunner has been used only 20 hours. Paid 7,500.00 only asking 4,000.00 It is a must see 209-239-6797

ELECTRONIC EQUIPMENT

Pentium II class desktop PC, 2HD, CDROM, Ethernet, modem and sound card, broadband internet-ready, color monitor. Like new \$325 925-292-7799

Computer, IBM Aptiva, E series 230, Cannon printer & fax, \$300 OBO 925-449-1902

Computer iMac needs work \$50. Technics Bohm 90W speakers pair \$50. 925-895-7195

CLASSIFIED ADS

Phillips CD Burner and ATI Video Card. All in perfect working condition. \$25 for burner, and \$10 for video card, OBO. 925-292-4676

Cartridges for Epson 777 printer, 2 black, 1 color. \$15 for all 3. Modem: US Robotics 56K w/SCSI connect, will give to anyone who can use it. 925-447-2905

Reel to reel tape recorder, TEAC 3340, one works and one for parts. \$120 925-447-5194

GIVEAWAY

Bed liner from 91 full size GMC standard short bed truck. 925-455-8238

Rowing machine, cylinder type. 2 PC monitors, 13 inch, working. 2 HP deskjet printers (1 not working, 1 marginal). Lawnmower, not working. 925-443-8789

HOUSEHOLD

BOYS PANTS-almost new, sizes 12-14 \$5. each or 5 for \$20. 4 boxes of boys toys and books ages 3-9 925-443-8886

Brown Italian leather modular chair and ottoman set, 2 chairs and comparable-size ottoman. Can be arranged either as sofa or corner set. \$300 or BO. 925-292-7799

Cal King bed-in-a-bag, Dan River. Includes comforter, shams, & skirt. Dark, multicolored pattern. Excellent condition. \$50. 925-846-3653

Queen sized Mediterranean bedroom set. Triple dresser, two night stands, chest, headboard. Good condition \$550 BO. 925-449-1128

LAWN MOWER,runs great,\$60 OBO 925-371-5203

Coffee table: brass/glass, 29x60, \$50.00. Mirror: brass/octagon, 24x36, \$25.00. Very good condition. 925-443-7422

Queen size sofa bed. 2 futon covers. \$50 925-447-4922

Cherry China Cab/Tbl \$1500, sofa/slpr - blue (2 yrs) \$300, Bed/hdbrd (kg/qn) dresser with mirrors, nt stand/drws \$400, good cond. 925-449-7521

Two white tufted twin headboards for holly-wood beds and legs \$10.00 each 925-447-1023

Two queen beds with mattresses @\$200. Dresser 55inHx20x15 \$75. Nite Stand \$75. Walnut dining table, leaves, pads, 8 chairs \$500. Excellent 925-895-7195

GARAGE SALE, Sat. April 12th 7am-3pm: 940 Acacia Way, Livermore. Washer/Dryer unit, CD rack, books, household items,etc... 925-960-0263

Futon-Queen Size, Wood Frame w/arms \$ 200.00 Very Nice, too big for our needs. 510-440-1835

Whirlpool refrigerator 19cf, energy star compliant, only used 6 months \$225/OBO 925-443-1715

Solid walnut dining room table with 2 extensions and 6 chairs. \$350.00. Excellent condition. 925-685-4922

GARAGE SALE, Saturday April 12, 9:00-3:00, 4680 Sarah Court, Livermore, several families 925-455-9414

Clawfoot tub, 4-1/2 ft., antique, rare size, excellent condition, \$850/BO 925-373-0247

BAR STOOLS, Lt Oak, tan vinyl seat swivels; 24 inches high. Digital photo can be emailed \$100.00 for three. 209-892-1960

Twin size bed (mattress, box and frame) \$20. 925-449-3165

Franklin Wood Stove -- Black, two doors, pedestal mount, rigs for internal or external air feed. \$250 or best offer. 925-455-0862

Entertainment cabinets, fruitwood finish. TV stand w/rollout shelf for VCR, \$35/BO. Sound system stack cabinet w/glass front, \$40/BO. 925-447-2905

Sofa Bed for sale: Very good condition. Blue plaid with hints of cream and burgandy. \$150 925-373-8239

Gently used newborn to 3T clothing for boys. 3 huge bins full. Name brands. Come see & make offer. 209-833-8306

White train/activity table, 2-sided playboard, \$90. 925-294-9022

MISCELLANEOUS

Four lawn chairs @\$25. Table \$25. Two chaise lounges @\$45. Space saver treadmill \$200. 925-895-7195

GE Profile gas stove top with 4 burners, standard 30 inches wide, new and unused. in box. \$250 or offer. 925-292-7799

Character cake pans - Thomas the Train, Pokemon, Blues Clues, Minnie Mouse - all with instructions. Orig \$15/Sell \$5 925-998-2620

Clothes, Boy/Girl 0-4, Name brands, gently used. Also, complete set of crib bedding. All excellent condition 925-998-2620

Two matching 15 inch diameter sway lamps, brass chain over elec. cord \$10.00 each. Two matching wood frame spice racks, 12 bottles and new lables. 925-447-1023

Lawn fertilizer spreader \$10. Craftsman 10in radial arm saw on rolling base cabinet & dust catcher, carbide finishing blades \$200. 925-895-7195

Southwest airline credit \$179. Can be applied to any ticket purchase. Must travel by 5/3/03. Make offer. 925-443-8869

Metal pool or yard fencing. 5ft tall, black, 10 panels approx 70lf, also 4-30 inch gates with hardware. \$250.00 925-443-1715

Area Rug with non-slip pad, 10ft x 10 ft, light green boarder, cream center, \$80 925-455-9414

Chipper-Shredder - Craftsman, 10 hp, chips branches up to 3 inch diameter, like new, works great, \$500 925-934-2460

Giants tickets, various dates, \$65-\$85 per pair. Sunny seats, lower box, section 126, row 20. 925-606-0321

Multiple Sclerosis 2003 Top Hat Classic bike tour will be on April 26,2003. Help fight MS call 1-800-FIGHT-MS

Dr. Scholls Luxury foot spa. Brand new, never used and still in box. Massage beads. four way control. Model 66621 (V1). \$20.00 obo 925-240-7374

Ladies Movado Watch - Black Leather band. Like new, tried on but not worn. \$100/OBO. 925-784-3731

MOTORCYCLES

Motorcycle CARRIER - for small or mid cycle. Two brackets for the tires, clamp easily to a real bumper. Adjustable. Only \$25 both 925-447-7070

1980 - Yamaha 125cc Enduro 2-cycle, all original and in excellent condition \$1,150 OBO. 209-892-2763

2003 - HONDA XR50, GREAT FIRST BIKE. SON OUTGREW \$1150 925-754-6390

1995 - HD Sportster 883. 11K miles. Wide seat, wide tank, backrest. Looks and runs great. \$5,000 925-606-8763

1995 - 1995 Yamaha Big Bear 350 4x4 quadrunner. \$2,500.00 OBO 925-443-9003

1999 - Suzuki TL1000R Fuel-injected V-Twin. 14K miles. \$7000 obo. 925-292-2524

MUSIC INSTRUMENTS

Hi-end Mitsubishi Stereo system, matched set of preamp, amp, tuner, multiCD with turntable and custom cabinet. Excellent condition \$300 or BO 925-292-7799

Yamaha Trombone model YSL35A with 12-c mouth piece. very good shape,works great, no dents, hard case included \$150 925-443-9179

Kohler & Campbell piano, \$300 OBO 925-449-1902

Banjo, Gibson RB4 with case,strap and videos. \$1400 925-634-2701

PETS & SUPPLIES

Western pleasure show saddle. One of the last saddles made by Rowell. Berry pattern silver. Matching breast plate. \$2500 BO 925-449-1128

See complete classified ad listings at <https://www-ais.llnl.gov/newsline/ads/>

FREE Birds Lovebirds & Parakeets different colors. 925-776-5612

9 year old 15 hand,paperd,Tri-colored paint mare.Trails,Gymkanas,Arena,some roping.\$2500 209-601-1171

RECREATION EQUIPMENT

1976 Winnebago Brave, Dodge 318, 21 FT, Class A, Generator, Headers, Tow Pkg., Sleeps 6, Dual Gas Tanks, Low miles, Runs Great! \$5995 or BO. 209-836-3062

Softheat 2 person indoor sauna,Oregon cedar,Flawless cond.Paid \$4000,asking \$1500 925-371-0318

Tennis rackets: All new cond. 4 1/2 inch grips. \$35 to \$75. Babolat Pure Drive 98 / Head iSpeed 98 / Fischer Pro 98 / Kennex 10g/ 925-838-9302

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tmp>.

Oakland/Montclair - New vanpool forming: traditional (5/40) schedule. We will start when one more rider signs up. Contact ext. 2-9831, or 510-530-1289, ext. 2-9831

Palo Alto & surroundings - Looking for staff to car pool,from Palo area, M-F regular working hours. 650-858-0458, ext. 3-3368

Modesto - Modesto to LLNL Vanpool, 7:00 to 3:30 shift, Has opening. 209-529-1010, ext. 3-0487

Danville - Driver/rider needed to complete 4-person carpool. Diablo Rd. area. Work hours 8:15-5:00 925-831-1569, ext. 2-9858

Patterson - Vanpool. Seeing red over gas prices?Tired of "killing" your car? Ride with us. Work hours 7:30-4:00. Kim 209-892-2118, ext. 2-9502

Manteca - 4 person pool ride & drive. 7:30 to 4. Leave Chevron at Yosemite & Union 6:30 AM. Drive every 4th day. Alternate phone 28507. 209-823-5593, ext. 3-8539

Manteca - Drive 1 day per week and 1 Friday a Month. Very flexible. 8-4:30. 209-823-5085, ext. 2-0643

Modesto area - looking for vanpool or car pool 9/80 schedule. 6:30-4:00 pager 54104 209-577-0862, ext. 3-0149

SERVICES

House Cleaning-Good Service, Good references Call now. Free estimates. 925-292-0405

TUTORING in high school and college math and chemistry. 925-443-2095

Construction/consultation/inspection services. 209-832-3052

Hanyman needed to convert in home office to a bedroom (in Brentwood.) Need closet installed and doorway relocated. Please call 925-516-1180

Licensed, professional carpet and upholstery cleaning. Local company. Excellent references, competitive rates. Free quote. 925-245-0911

CONCRETE: Custom, stamped, colored, foundations, retaining walls & more. Over 20 years experience. Lic#787092-B. 408-806-9816

Piano Tuning--your place or mine. 10% LLNL discount on regular tuning. 925-371-6997

SHARED HOUSING

Livermore - Upstairs for rent in country home, private bath, refrigerator, microwave, partially furnished \$650 month plus deposit 925-447-7780

TO TRADE

Looking to trade electrical work for: 1) need wall unit built, 2) countertops installed, 3) floor/shower pan tile layed, for new addition. 209-836-3062

TRUCKS & TRAILERS

1991 - Toyota 4x4 short bed PU. Good con-

dition. 5 speed trans, CD, 101K miles, large tires w/chrome rims. \$2950.00 925-485-9148

1984 - Chev Silverado 4X4 1/2 ton pickup. V8, auto. Runs but needs eng, trans work. Good chassis, body, tires, wheels. \$750 OBO. 209-892-7832 or 209-892-8120

1982 - Datsun (Nissan) pickup, king cab, smog ok, as is, camper shell, \$600. 510-582-9262

1985 - F-250 2 wheel drive extended cab pickup truck with lumber rack.Good condition with only 150,000 miles.\$2500 209-772-3773

2001 - Sixpac Cabover camper Dual fridge,stove, V8, auto,solar battery charger,very clean in excellent condition,must sell \$5000.00 obo 925-240-5130 925-437-1602

1998 - Dodge Ram, Quad cab, 2500HD long bed, tow pkg, autotrans, racks, tool boxes, leather int, many extras, \$13.5K, 925-525-0970

1998 - Dodge Dakota, V6, AC/PS/CC/AT, custom wheels, 61K miles, camper shell, extended warranty, excellent condition: \$10,700. After 5 pm. 209-835-2751

1999 - Coleman Niagara popup trailer, sleeps 8, dinette slideout, in/out show-ers & stoves, potty, furnace, refrigerator, awning, storage trunk, \$7500/OBO 209-835-5823

1942 - Willys Jeep, New Chevy 283 V-8, Completely modified, roll bar, new top. Great 4-Wheeler! \$5900 or B/O 209-239-7576

VACATION RENTALS

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0671

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet,newly remodeled, nicely furnished, all amenities,great for families,RESERVE NOW FOR SUMMER! 209-599-4644

Palm Springs - Hotel resort. 1 or 2 bedrooms apartment, fully equipped kitchen, charming swim pools and spas, year-round comfortable weather. 925-606-5660

MAUI HOUSE EXCHANGE - Looking to swap homes with somebody in the Livermore-Pleasanton area for 1 year. 3BR 2BA in Kihei, Maui. 808-874-9100

Solana Beach/Del Mar - Oceanfront condo, Deluxe 2br.,2 1/2 ba.,tennis, pool, jacuzzi, covered gated parking, fully equiped, near San Diego attractions. 925-443-2271

WANTED

Afternoon sitter needed for two active boys, ages 7 and 12. Pick up from school, transport to baseball and soccer practice,help with homework, etc. Two hours per day, 3-5 p.m. Must like sports and have a good driving record. Perfect after-school job for a responsible high school student! Call for more info: 443-3396.

Looking for a chevy/ gmc pickup. From a s-10/ 4.3 liter, up to a 1/2 ton 4x4, from 88 to 95. Looking to spend up to 8k. 209-368-4286

Metal bed fram for single bed. 925-447-1023

Pinball machine, working. 925-606-0234

WANTED: pair GIANTS tickets, preferably Saturdays or Sundays. Possibly 2 or 3 games. 925-960-0263

Small RV Class C, Pop-Up Tent Trailer or Camping trailer to rent for the last weekend in June. 925-373-3429

Looking for a film scanner. Able to do 35mm and in good shape. Any brand is ok as long as it works. Call 925-784-3731

Robot and submarine top award-winning fare

By Elizabeth Campos Rajs

NEWSLINE STAFF WRITER

As part of their winnings from the Tri Valley Science & Engineering Fair, three local high school students will journey to Cleveland, Ohio, next month to compete against more than 2,400 students from 40 countries in the Intel International Science & Engineering Fair.

Vincent Howard, a senior at California High School, was the individual sweepstakes winner for his engineering project, "Using Central Pattern Generators on a Hexapod Robot with an Object Recognition System." Tamsen Drew and Nick Rapp, both seniors at Amador Valley High School, were the team senior sweepstakes winners for their project, "Autonomous Underwater Vehicle."

In addition to all-expense paid trips to the international fair, each of the senior sweepstakes winners will be offered summer internships at a local laboratory or corporation.

The three sweepstakes winners were among 312 students who competed in the Tri Valley fair this year. Now in its seventh year, this year's fair featured 208 projects from students at 19 Tri Valley middle and high schools. The projects at this year's fair covered a wide range of science and engineering in 11 disciplines.

This was not Howard's first trip to the winner's circle. He was the individual junior sweepstakes winner five years ago.

For this year's project, he continued research he started for last year's project.

"I wanted to explore the walking patterns of a robot," he explained. He modeled his robot's walking pattern after a cockroach's and came back this year with an improved robot.

Drew, 17, a senior at Amador Valley High School, said she and her teammate, Rapp, 18, built their autonomous submarine for a different competition last year and earned a fifth place award. Since then, they made several key modifications to the autonomous sub for the science fair.

"We've been making it more reliable. We switched a lot of parts to off-the-shelf components instead of making our own," Drew said. The submarine dives underwater and can read barcodes and report back the depth at which they are found.

The Laboratory is one of the fair's organizing spon-

sors, along with the Blackhawk Museum, ChevronTexaco, Contra Costa Times, Tri Valley Business Council and Tri-Valley Community Foundation.

In addition to the sponsorship, many Laboratory employees volunteer to help run the fair, from director Karen Kiernan-Rodriguez, to the fair's administrative staff, and scientific judges. This year's fair featured 130 scientific and engineering judges, of which 67 were from the Laboratory.

Several Lab judges said they were impressed with the caliber of this year's projects.



PHOTOS BY JACQUELINE MCBRIDE/NEWSLINE.



"Every year, they outdo themselves. The projects keep getting better," said Ron Weinberg of the Classification Office. He represented the Livermore chapter of Sigma Xi and presented an award at the fair. "I am constantly amazed at the uniqueness of the projects and the improvements that are made every year."

Aaron Herrnstein, a graduate student at UC Davis Department of Applied Science, works in the Lab's Atmospheric Science Division and was similarly impressed.

"They are pretty outstanding," he said. "It's always impressive to come in this room and see what kinds of things the kids have come up with."

Herrnstein, who has served as a judge at both this fair and the international fair two years ago when it was in San Jose, said he volunteers his time because he has experience being in the kids' shoes.

"I did science fairs in high school and went to the international science fair myself. It was a really great experience talking to professional scientists and seemed to open up doors for me," Herrnstein said. "Now I volunteer as a judge because I want to try to give a little back."

Steve Azevedo, who has judged every year, said he enjoys seeing the projects and meeting the kids.

"I support the whole notion of encouraging the next generation to pursue science and engineering careers," he said. "I find engineering exciting myself and would like others to get a taste of it."

For Peter Haugen, who recently joined the Lab's Engineering Directorate, this was his first time attending a science fair as a judge instead of a participant. He competed in science fairs as a student and earned a second best award in engineering at the international fair five years ago.

"It was very interesting being a judge. All the kids put so much effort into their projects. And they were all



More than 300 students participated in this year's science & engineering fair. At top, Jonathan Vinea of Monte Vista High School explains his project to Lab judge Scott Couture. Above left, middle school student Curtis Campbell of Our Savior Lutheran, describes his hydrodynamics project to a U.S. Air Force judge. Above right, Vincent Howard of California High School describes his award-winning engineering project, a six-legged robot.

so different. It was very hard to decide which was the best one," Haugen said. "It was nice to have a lot of judges to get a lot of input."

In addition to the senior sweepstakes awards, there were two winners in the junior categories. Jonathan Masukawa, who attends Iron Horse Middle School, was a junior sweepstakes winner for his physical science project, "Acceleration vs. Angle of Inclination." Brian Busemeyer, a student at St. Philip School, also was a junior sweepstakes winner for his physical science project, "Where the Big Crystal Grows."

Both students received a digital camera and color digital photo printer.

The Tri-Valley Science & Engineering Fair is an affiliate of the Intel International Science & Engineering Fair. The judging standards for the projects are those established by the Intel fair.



Judge Scott Couture interviews Nick Rapp and Tamsen Drew, both seniors at Amador Valley High School, about their autonomous submarine. They were the senior sweepstakes winner in the team category and will be competing at the international fair in May along with individual senior sweepstakes winner Vincent Howard.

EXPO

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official Earth Day. The first featured speaker Ben Santer, a scientist in the Lab's Program for Climate Model Diagnostics and Intercomparison, will speak Wednesday, April 16, at noon about "Recent Developments in Climate-Change Detection and Attribution Research," in the Bldg. 543 auditorium.

The second speaker Mathis Wackernagel, the Sustainability Program director for the nonpartisan public policy organization "Redefining Progress" and co-creator of Ecological Footprint, will visit the Lab Thursday, April 24 in the Bldg. 543 auditorium for a noontime presentation on the "Footprint" model.

From now until April 23, anyone looking to get rid of an old personal cell phone that they don't use any more can recycle it by dropping it in the mail to L-Cell. In an effort to keep old cell phones out of landfills, Paul Dickinson, who works in University Relations and is the current President of the non-profit group Keep California Beautiful, organized the cell phone recycling program that will continue through the Lab's Earth Day celebration. This collection does not include government property.

In addition, Dickinson will be collecting old cell phones at the Keep California Beautiful table at the Earth Expo 2003, which will be from 11 a.m. to 2 p.m. on April 23 in the employee area near the Lab swimming pool. Employees wishing to turn in old cell phones are asked to remove the batteries.

Keep California Beautiful is working with another non-profit group, Pledge-A-Phone of Fountain Valley, Calif., to collect and recycle discarded cell phones. Dickinson said Pledge-A-Phone either refurbishes and sells the used cell phones in third-world countries so that poor people might have communications access, or disposes of them properly. The California Integrated Waste Management Board has banned the disposal of electronic waste, including computers, televisions, etc., in landfills and is soon expected to ban cell phones.

This is just one of the ways in which employees are working to minimize their impact on the planet's resources. For other information on recycling, and conservation at the Laboratory and Earth Expo 2003, log on to <http://www-epd/p2/>.

VALUES

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and the Lab believes are of the highest importance.

We have done this many times throughout the Lab’s history. When the country decided to limit nuclear testing to 150 kilotons in the mid-1970s, countless people across the Laboratory moved to support the “Accelerated Test Program” at the Nevada Test Site for nearly 18 months. When the Laboratory decided to compete for the uranium enrichment program in the mid-1980s, people and capability flowed from all over the Lab to support “Demo ’85.” When President Reagan called on the scientific community to see if it was possible to protect the country against the threat of ballistic missiles, people from across the Laboratory rose to the challenge and supported that initiative.

More recently, when NIF got into trouble three years ago, the Laboratory focused its resources and capabilities on getting NIF back on track.

Now the country has called on us to help with the challenges of homeland security; I have no doubt that we will succeed there, too.

The seamless manner in which these “teams of teams” coalesce around the country’s most important challenges is an explicit organizational manifestation of the Laboratory’s commitment to collective success.

We

value

–Passion for Mission

–Integrity and responsible stewardship of the public trust

–Simultaneous excellence in science & technology, operations, and business practices

–Balancing innovation with disciplined execution

–Teamwork while preserving individual initiative

–Intense competition of ideas with respect for individuals

–Treating each other with dignity

–A high-quality, motivated workforce with diverse ideas, skills, and backgrounds

–Rewarding and recognizing performance

–Commitment to the collective success of the Laboratory

It is not only organizational commitment; more important is the individual commitment that leads to success. Working on these “high-profile” programs that are important to the country and the Laboratory is never easy. It is not easy on the individual or his or her family; it requires sacrifice because of commitment to a higher goal. These very important programs

are often high-risk, requiring technical, managerial and administrative innovation, with short timescales. They demand long hours and usually occur in a “stressful” environment. In many cases, extensive travel or temporary assignment to a distant site are also required. Often, one’s personal career goals may be “put on hold” or diverted because of a commitment to a broader purpose.

Success requires talent and commitment across the broad spectrum of the Laboratory’s capability. It requires the best technical talent: scientists, engineers and technicians. It requires the best administrative, managerial, procurement, safety, environmental and business professionals. It requires bold strategies and attention to detail. These are the teams that have made the Laboratory so successful.

I have been at the Laboratory for more than 30 years. I am proud of the programs and activities in which I have been involved. I am equally proud of the things others have done at the Laboratory.

I am extremely honored to have had the opportunity to work on programs that were important to the security and well-being of our nation. We all have this opportunity, because the people at the Laboratory are committed to its collective success in achieving important goals for the country.

When we succeed at important tasks, we will be given the opportunity to contribute even more.

ERGONOMICS

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Services.

In the pilot program, Health Services and Hazards Control ES&H Team personnel work closely in an effort to enhance and complement current ergonomic injury prevention efforts.

Central to this effort is preventing ergonomic-associated discomfort from developing into injury. This is significant because a joint Health Services/Hazards Control report comments on a consensus among the Lab’s health and safety professionals that “only a small proportion of employees seek evaluation when they are experiencing mild discomfort.”

Says the report, “This is unfortunate because early identification, intervention and management of musculoskeletal discomfort could have mitigated, or have even prevented, the occurrence of an actual injury.”

Elements of the Ergonomic Pilot Program are:

- 2-ERGO (ext. 2-3746), a telephone hotline that provides a central point of contact for ergonomic information and can be used for referrals to resources on ergonomic-related issues.
- An ergonomic injury prevention field team, whose members make work-site visits to people who are experiencing ergonomic discomfort to find out what is causing the discomfort and to develop a plan of attack. For three months the field team partnered with the National Ignition Facility, the Electronics Engineering Technologies Division, and Plant Engineering to “work out the bugs,” said Alexandre, and now this service is available Labwide.
- Work Group Prevention Services, which focuses on groups performing similar tasks. Recommendations are made that the groups can implement to prevent ergonomic problems.

Alexandre said that 2-ERGO callers use the telephone hotline service to find out, for example, how to get an ergonomic evaluation or how to get a broken

chair repaired in a timely manner. Workers who are experiencing physical discomfort can call 2-ERGO to learn about ergonomic options — from equipment to behavioral or postural changes — that could keep the discomfort from turning into a more serious problem.

“A lot of our feedback is coming from 2-ERGO callers,” said Alexandre. “They seem very pleased with this service. People are using words like ‘timely’ when talking about the response to their requests for ergonomic evaluations and ‘useful’ in terms of the value of the information provided. Others, who didn’t quite know where else to turn for ergonomics assistance, said they liked the fact that 2-ERGO was able to get them ‘in touch with the correct people.’”

Watts and Alexandre are encouraging people in discomfort to seek help from the ergonomic injury prevention field team, even if the discomfort was not caused by a source related to work. The members are assigned to support the various ES&H teams. To get help from the team, contact Casie Zayas of Health Services, who provides administrative support to the team. Zayas can be reached at 3-9348.

Once a call is made to Zayas, a referral will be made to the appropriate field team member to schedule a visit to the caller’s work area. The field team is composed of doctors, physical therapists, safety engineers and a nurse.

According to Dr. Watts, employees in discomfort receive an individualized intervention plan that may consist of an ergonomic evaluation, health education resources, self-care instructions, exercise and stretch recommendations, biofeedback and digital imaging resources. Regular follow-up visits will be held with these employees at their work site until their concerns are resolved. Health Services physicians will also be available to go to an individual’s work site and help them and their supervisors manage Return to Work issues following a significant injury or illness.

In an e-mail to Alexandre, Anthony Beato, ES&H manager with Johnson Controls, expressed his appre-

ciation for the services field team members provided a supplemental labor worker.

Beato wrote: “The physical therapist spent ample time with the customer and shared many preventative ideas and specific exercises to help correct the existing pain and muscle tightness. The physical therapist then had a medical doctor meet with the customer. Follow-ups (were) conducted to assure a healthy recovery.”

Alexandre said the third element of the pilot program — Work Group Prevention Services — involves working with Lab groups to address office and non-office ergonomic issues. “We want to analyze the ergonomic risks associated with the tasks being performed and develop solutions for preventing ergonomic injuries,” she said.

To date, ergonomic specialists have worked with Fire Department dispatchers, mail distributors in the Innovative Business and Information Services (IBIS) Department, members of the Space Action Team, and laboratory technicians and scientists in the Biology and Biotechnology Research Program.

When implemented as an integral part of the Lab’s Ergonomics Program, all facets of the pilot program, said Watts, are “expected to reduce both the frequency and severity of repetitive stress injuries and therefore reduce the impacts of those injuries on employees and the Laboratory.”



JGI

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genome events in April, point your browser to the NIH videocast page at <http://videocast.nih.gov/> and go to “Today’s Events.” After an event, it can be viewed at any time by going to “Past Events,” scrolling down and clicking on the National Human Genome Research Institute link, and then clicking the specific title. Links directly to the videocasts will also be posted on www.genome.gov after the events.

The JGI is holding an informal, by-invitation open house for area elected and education officials on Monday morning. Visitors will be able to watch the DOE/NIH news conference, hear a briefing about the JGI’s role in the human genome project and its future as a leading genome sequencing and biological research center, and tour the JGI’s state-of-the-art sequencing facilities.

More information on genome-related activities this month can be found at www.genome.gov.

Also look for the special “UpClose” insert in next week’s *Newsline* dedicated to genomics.

Newsline
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